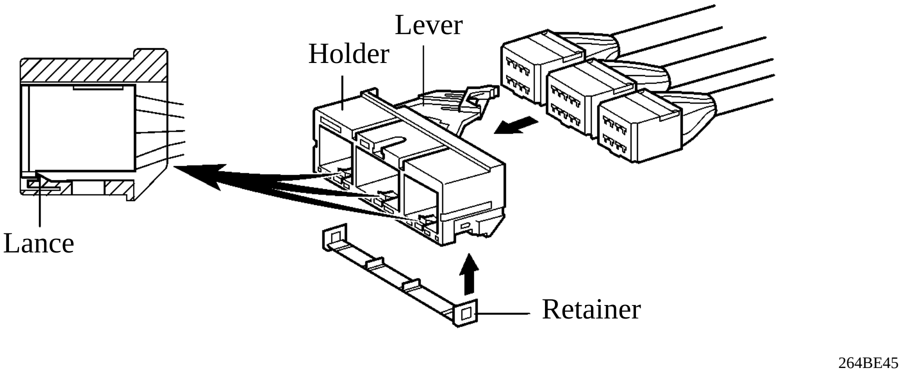
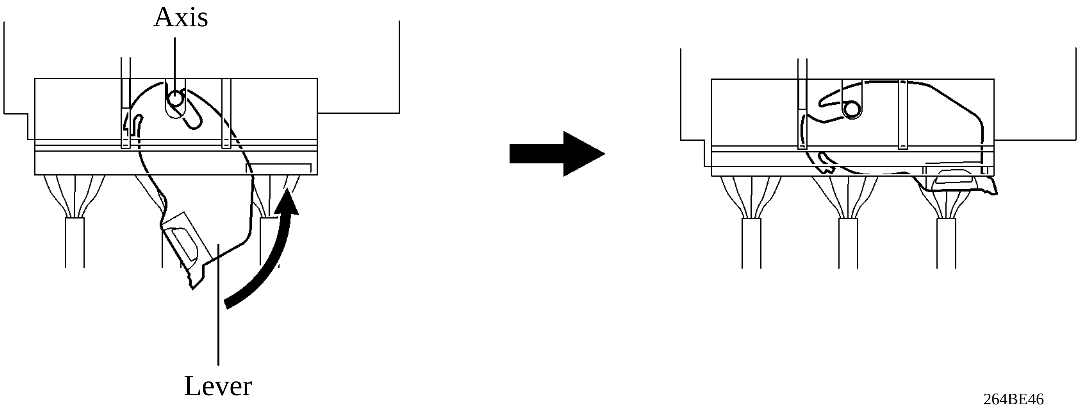
■IMPROPER CONNECTION PREVENTION LOCK MECHANISM

- This improper connection prevention lock mechanism consists of the airbag sensor assembly and the holder.
- The airbag sensor assembly has a connector lock pin.
- The holder has a lever with a lock groove. The holder and the connectors are locked via a retainer and a lance.



- When connecting the holder and connectors to the airbag sensor assembly, the lever is pushed into position end by rotating it around the axis of the connector lock pin in order to lock the holder securely.



■AIRBAG SENSOR ASSEMBLY

- It reaches a deploy judgment to deploy the dual stage driver’s and front passenger’s airbags, driver’s and front passenger’s knee airbags, and pretensioners based on the signals received from the front airbag sensor and the airbag sensor assembly. In addition, it can reach a deploy judgment to deploy the SRS front and rear side airbags and SRS curtain shield airbags based on signals received from the side airbag sensors and rear side airbag sensors. Furthermore, it is equipped with a diagnosis function to perform self-diagnosis in case of system malfunctions.
- Each signal is transmitted as follows:

Target ECU	Signal	Communication path
ECM	Fuel Cut Signal	CAN communication circuit
Main Body ECU	Forced Door Unlock Signal	Direct Circuit
Combination Meter	SRS Warning Light ON Demand Signal Driver Seat Belt Remainder Light ON Demand Signal	CAN communication circuit